



Ministry of National Development Planning/Bappenas  
Republic of Indonesia

# INDONESIA URBAN RESILIENCE FORUM

30 - 31 JULY 2024





# BACKGROUND

The Indonesia Urban Resilience Forum brought together over 150 national and international participants, including mayors, development partners, and experts, to engage in strategic discussions on enhancing urban resilience in Indonesia. The forum explored innovative strategies to strengthen urban systems—infrastructure, environment, governance, economy, and communities—key elements in creating cities that are resilient, integrated, and inclusive. Held on 30 July 2024, at the Shangri-La Jakarta, was a collaborative effort by the Asian Development Bank (ADB), Indonesia’s Ministry of National Planning (Bappenas), the Urban Resilience Trust Fund (URTF), the UK Foreign, Commonwealth, and Development Office (FCDO).

The forum featured several sessions, including the **Opening Ceremony**, the **Urban Resilience Pledge**, the **Launch of ADB URTF's support for Nusantara**, and interactive discussions: **Session 1 Understanding the Urban Resilience Landscape in Indonesia**, **Session 2 Mayors' Roundtable: Best Practices for Urban Resilience**, **Session 3 Scaling Up Urban Resilience**, and **Session 4 Ways Forward and Potential Collaborations**, culminating in a **Closing Ceremony**. A half-day Learning Tour of Jakarta’s Resilience Initiatives also took place on 31 July 2024.

# PARTICIPANTS' PROFILE

## In-person

95 (54.3%)

Male

80 (45.7%)

Female

14

Cities

57

Development Partners

6

Embassies

102

National & Local Governments

10

Local Organizations & Academia

*The forum was also attended by a total of 101 participants who joined online.*





The Opening Ceremony featured key representatives from ADB, the UK FCDO, and Bappenas.

- **Dominic Jermey**, His Majesty's Ambassador for Indonesia, and Timor Leste, British Embassy Jakarta, highlighted the UK's commitment to supporting urban resilience efforts through programs like the ADB URTF. He emphasized the strong diplomatic ties between the UK and Indonesia, reaffirming the UK's commitment to fostering sustainable urban development and collaboration for a resilient future.
- **Tri Dewi Virgiyanti**, Deputy of Regional Development, Bappenas, emphasized the need to integrate disaster and climate adaptation into national and local planning. She outlined four stages of urban resilience: awareness, coping, adapting, and transforming, and called for multistakeholder collaboration to achieve Indonesia's urban resilience goals.
- **Jiro Tominaga, Country Director for Indonesia, ADB**, emphasized ADB's role in advancing climate action through strategic investments in infrastructure, energy, transport, health, and education. He stressed that partnerships between local governments and international partners are essential for promoting climate resilience and ensuring sustainable urban development.

## OPENING CEREMONY



*"Our contribution through the ADB Urban Resilience Trust Fund (URTF) and our strong partnership with Bappenas and the Nusantara Capital Authority highlights our ongoing commitment to supporting Indonesia's climate resilience."*

**Dominic Jermey**

His Majesty's Ambassador for Indonesia, and Timor Leste  
British Embassy Jakarta

*"Indonesia has been integrating disaster resilience and climate adaptation into development plans. Furthermore, city zoning must identify disaster-prone areas and restrict activities to minimize economic losses and impacts," demonstrating a commitment to supporting Indonesia's climate resilience."*

**Tri Dewi Virgiyanti**

Deputy of Regional Development, Bappenas



*ADB places climate action at the heart of its operation... Committed to Indonesia's development and climate goals, ADB is updating its country partnership strategy to develop a pipeline of climate-focused urban projects for the next 5-10 years.*

**Jiro Tominaga**

Country Director for Indonesia, ADB





*“Sustainable urban development, infrastructure, and resilience are SECO priority areas. Indonesia is one of our priority country for strengthening its ability to prepare for, withstand, and recover from the effects of climate and disasters in a timely and efficient manner.”*

**Ariadirja Martoni**

Deputy Head of Cooperation, Economic Cooperation and Development  
Embassy of Switzerland



*“USAID is deeply involved in supporting urban resilience. We are a proud partner of Indonesia, helping cities improve governance, address environmental challenges, and become more resilient.”*

**Erin Nicholson**

Acting Mission Director  
USAID Indonesia



*“Collaboration is the key to helping the Government of Indonesia identify the policies, investments, and knowledge needed to achieve its 2050 mission, along with the many other resources required.”*

**Luis Miguel Triveno**

Senior Urban Development Specialist  
for Indonesia and Timor Leste  
World Bank

# URBAN RESILIENCE PLEDGE

The Urban Resilience Pledge was a symbolic collective commitment from representatives from diplomatic missions, development partners, and government officials. Key representatives of British Embassy Jakarta, ADB, the Embassy of Switzerland, USAID, and World Bank collaboratively assembled a mural puzzle symbolizing their shared dedication to advancing urban resilience.



Representatives from development partners assembled a puzzle titled "Building Resilient Cities and Communities"



30 JULY 2024 | SHANGRI-LA JAKARTA



The ADB Nusantara GREEN Project was officially launched with a gong ceremony led by Tri Dewi Virgiyanti (Bappenas), accompanied by (left) Dominic Jermy (British Embassy Jakarta); Bambang Susantono (Government of Indonesia); Amanda McLoughlin (UK FCDO); and (right) Neeta Pokhrel (ADB) and Jiro Tominaga (ADB)

# LAUNCH OF THE ADB URTF SUPPORT FOR NUSANTARA

This session marked the official launch of the new ADB project, **Nusantara GREEN (Growing Resilience and Ensuring Equality in Nusantara)**, funded with \$2 million from the ADB URTF. The GREEN project aims to promote equality between local communities and new residents amidst Nusantara's urban growth, while enhancing community resilience and disaster preparedness in response to climate change. Using a 'living lab' approach, the project will collaborate with communities to test strategies through pilot projects at selected demonstration sites, with potential for future scaling and replication. The project focuses on three key intervention areas—food security, education, and community empowerment—aligned with the Nusantara Net Zero Strategy launched at COP 28 in 2023. These interventions include urban farming and regenerative agriculture techniques to enhance food security, establishing climate-resilient schools, and supporting community-led adaptation projects to strengthen community resilience.

- **Bambang Susantono**, Special Presidential Envoy for International Cooperation for Nusantara
- **Amanda McLoughlin**, Development Director Indonesia/Minister-Counsellor Development in UK Mission ASEAN, UK FCDO



*“Urban resilience should focus on 5 pillars, consisting of effective government, resilience infrastructure, diversified economy, inclusive community, and sustainable disaster risk management.”*

**Bambang Susantono**  
Special Presidential Envoy for International Cooperation for Nusantara

*“Building a resilient city means taking a proactive and holistic approach to urban development. It goes beyond designing quality infrastructure that can withstand the forces of nature but also means fostering communities where every resident has access to essential services and opportunities no matter their background or circumstances.”*

**Amanda McLoughlin**  
Development Director Indonesia  
and Minister-Counsellor Development in UK Mission ASEAN, UK FCDO





# SESSION 1

## Understanding The Urban Resilience Landscape in Indonesia

Session 1 explored urban resilience in Indonesia and its link to disaster risk reduction, focusing on key challenges and opportunities. The session highlighted the essential qualities of resilient cities, such as comprehensive disaster risk management, inclusivity, robustness of infrastructure, and community empowerment. It also emphasized the need to address challenges in local implementation and the importance of leveraging opportunities to align plans, explore innovative financing, and foster international collaboration.

To gain insights into the participants' perspectives on Indonesia's urban resilience, a Mentimeter survey was conducted during the session. **High temperatures and heat waves, along with increased flooding and landslides, were cited as key climate change impacts that cities must address.** Participants also rated their cities' current urban resilience level at 4.5 out of 10, underscoring the need for significant improvement and increased efforts to strengthen city resilience.

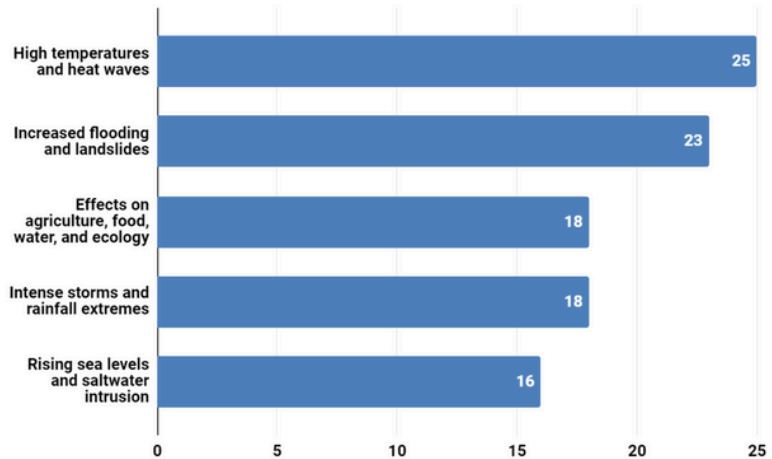


Session 1 Moderator

**Joris van Etten**  
Country Operations Head  
ADB Indonesia Resident Mission



**What are the top 3 most urgent climate change impacts that your city needs to address?**



**How would you rate your city's resilience? (1 - 10)**







Session 1 Panel Discussion and Open Forum: (left to right) Yustitia Arief, Advocacy for Disability Inclusion (Audisi) Foundation; Mr. Raditya Jati, National Disaster Management Agency (BNPB); Uke Mohammad Hussein, Bappenas; and Joris van Etten, ADB

The session continued with a panel discussion featuring representatives from the National Disaster Management Agency (BNPB), Bappenas, and the Advocacy for Disability Inclusion (Audisi) Foundation.

- **Uke Mohammad Hussein, Director of Spatial Planning, Land Affairs, and Disaster Management, Bappenas**, highlighted Indonesia's vulnerability to disasters due to its position in the Pacific Ring of Fire. He noted that nearly all the population and infrastructure are in disaster-prone areas, emphasizing the importance of integrating disaster risk management into national development plans. He stressed the need for financial support, spatial planning, and infrastructure resilience, particularly focusing on "building back better."
- **Raditya Jati, Deputy of System and Strategy, National Disaster Management Agency (BNPB)**, highlighted the need for resilient infrastructure and community-centered approaches to disaster risk management, referencing Indonesia's participation in the Global Platform for Disaster Risk Reduction 2022. He mentioned the development of the National Disaster Risk Index and ongoing efforts to integrate disaster management into long-term development plans, with a focus on local government engagement and community resilience.
- **Yustitia Arief, Director at Advocacy for Disability Inclusion (Audisi) Foundation**, emphasized the need for inclusive climate and disaster resilience in Indonesia, pointing out that while strong policies exist, they often fail to reach local governments effectively. She stressed the importance of prioritizing vulnerable groups—such as people with disabilities, the elderly, women, and children—in resilience planning, with only eight provinces having implemented relevant action plans.

**“We need inclusive development to enhance resilience. There are three pillars: engaging people with disabilities in the planning process, during implementation, and in oversight and monitoring activities.”**

**Yustitia Arief**  
Director, Advocacy for Disability Inclusion (AUDISI) Foundation

# SESSION 2 Roundtable of Mayors: Best Practices for Urban Resilience



Mr. Hadianto Rasyid, Mayor of Palu, sharing insights on post-disaster recovery and reconstruction following the 2018 Palu earthquake



Arif Wibowo, Country Manager, ICLEI - Local Governments for Sustainability moderated Session 2



Marino Deocariza  
Urban Development and Climate Resilience Specialist (Consultant)  
ADB Urban Resilience Trust Fund

Session 2 focused on city resilience initiatives, highlighting valuable lessons learned and best practices from various Indonesian cities Palu, Semarang, Makassar, Palembang, Batam, and Jakarta. Insights from the 10-year implementation of the ADB Urban Climate Change Resilience Trust Fund (UCCRTF) was shared along with an overview of the current URTF. Resilience building requires going beyond conventional climate-proofing of infrastructure towards an integrated and holistic approach encompassing four dimensions: physical, social and institutional, financial, and ecological.

The discussion emphasized a shift from reactive disaster response to proactive management in cities like Palu and Semarang, underscoring the importance of updated risk maps and resilient infrastructure. Community-led solutions, as demonstrated in Makassar and Palembang, play a crucial role in supporting vulnerable groups. Additionally, innovative financing and technology initiatives, such as Jakarta's carbon trading and Batam's e-boat program, are key drivers of urban resilience. Stronger collaboration among local, national, and international partners is essential for effectively implementing resilience policies and projects.

## Holistic approach to resilience



A systems-thinking approach moves beyond isolated, asset-based, or sector-specific strategies to a more comprehensive, holistic, and integrated perspective that acknowledges the complexity of real-world urban systems.

Tokens of appreciation were presented to the 14 participating cities, recognizing their dedication and efforts to advancing urban resilience at the local level.

- Balikpapan
- Makassar
- Pontianak
- Bandung
- Mataram
- Samarinda
- Batam
- Palembang
- Surabaya
- Jakarta
- Palu
- Semarang
- Jambi
- Pekanbaru



Cities were recognized as "Resilience Champions"





Alwis Rustam, APEKSI, and Anastasia Carolina, ADB, as Session 3 moderators



Participants during the Session 3: Scaling Up Urban Resilience



Idea board: How can we make Indonesian cities more resilient?



Resilience Exhibit: Showcasing Best Practices in Urban Resilience Projects in Indonesia

# SESSION 3

## Scaling Up Urban Resilience

This interactive session tackled the climate challenges impacting cities and explored strategies to bolster urban resilience.

Insights from the Forum’s idea board, titled “How can we make cities more resilient?” provided a springboard for a lively discussion on strengthening resilience at the city level.

**Listen to all voices & ensure no one is left behind**

**INCLUSIVENESS  
COLLABORATION**

**Collective action strengthens efforts**

**ADVOCACY TO  
MAINSTREAM  
CLIMATE**

**It is essential to integrate climate initiatives into local government programs**

**POLITICAL WILL**

**Strong leadership & accountability drive progress**



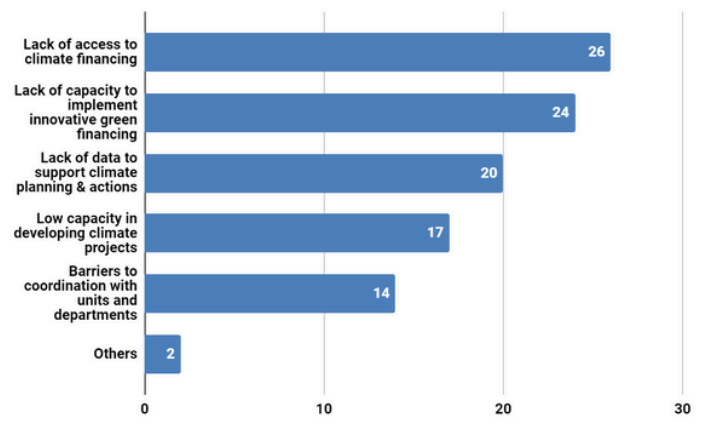
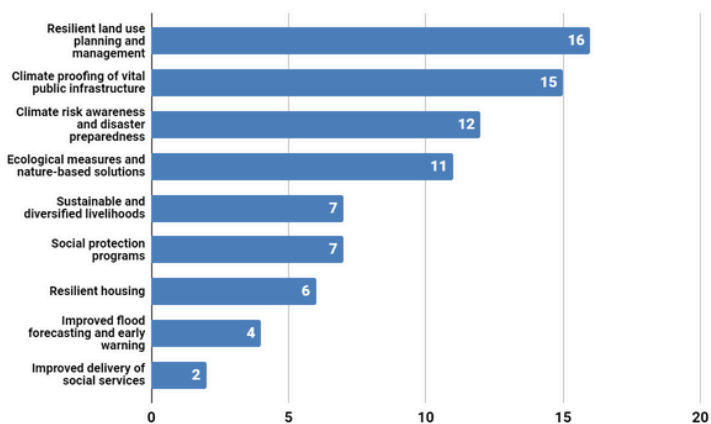
Interactive session with the audience to identify priority solutions and financing opportunities

Participants further exchanged perspectives on pressing climate issues. They shared effective and practical solutions and identified the types of support cities need to address these challenges. Key challenges included securing funding, improving data access, and enhancing inter-agency coordination, especially in water resource management. Cities like Palu and Surabaya shared strategies for managing disaster risks, enhancing infrastructure resilience, and spatial planning, while Batam highlighted regulatory alignment and sustainable housing.

In the Mentimeter surveys, resilient land use planning and climate-proofing vital public infrastructure were identified as critical interventions for enhancing city resilience. The effectiveness of cities' climate planning and financing strategies was rated 4.4 out of 10, indicating a need for significant improvement. Additionally, barriers such as limited access to climate financing and insufficient capacity to implement green financing were recognized as key ongoing challenges.

### What are the top 3 specific interventions that can enhance a city's resilience?

### What are the biggest challenges your city faces in securing funding for climate change projects and initiatives?



### How effective is your city's climate planning and financing strategy in supporting urban resilience?

(Rate from 1 to 5, with 5 being the highest)







Session 4 discussed the practical actions and future collaborations among ADB, UK FCDO, Bappenas, local governments and other development partners to advance urban resilience in Indonesia



(Left to right) Toqu Pardede (Bappenas), Adri Asmoro Laksono Poesoro (PT Sarana Multi Infrastruktur (SMI), Charlotte Coles (UK FCDO), and Neeta Pokhrel (ADB). Myrna Safitri (Nusantara Capital City Authority) joined online as a panelist

Building on insights from previous discussions, **Session 4** focused on practical actions to advance urban resilience in Indonesia. The session highlighted the critical need for collaboration between local and national governments, as well as development partners, to tackle urban resilience challenges. Speakers emphasized the collective responsibility to build a resilient and sustainable Indonesia by 2045, calling for integrated, holistic and inclusive planning; innovation; and stronger cross-sector partnerships. Key points included the importance of securing blended finance and tailoring solutions to local contexts. Nusantara’s ‘forest city’ model emerged as a leading example, integrating nature-based solutions in reforestation, water management, and regenerative agriculture to enhance both infrastructure and community resilience.

## SESSION 4

### Way Forward

- **Neeta Pokhrel**, Director, Southeast Asia and the Pacific, Water and Urban Development Sector Office, ADB (Moderator)
- **Myrna Safitri**, Deputy for Environment and Natural Resources, Nusantara Capital City Authority
- **Charlotte Coles**, Head, Indo-Pacific Regional Department, UK FCDO
- **Adri Asmoro Laksono Poesoro**, PT Sarana Multi Infrastruktur (SMI)
- **Toqu Santoso Pardede**, Director of the Directorate of Local Government, Bappenas



*“Collaboration, awareness, [creativity, and vision] will lead to transformation. Bringing along not just decision makers, planners, but also people and communities, because what is resilience if it’s not for people and the planet. We can only do so with them.”*

**Neeta Pokhrel**  
Director, Southeast Asia and the Pacific, Water and Urban Development Sector Office, ADB

*“Building a resilient city is crucial, and in our journey toward Indonesia Emas 2045, the focus extends beyond just economic transformation. We must not forget the foundation of this transformation, which lies in ecological, environmental, and cultural resilience. Our transformation is not just economic but also involves resilience in social, cultural, and ecological aspects—that’s the essence of Indonesia’s transformation.”*

**Toqu Santoso Pardede**  
Director of the Directorate of Local Government, Bappenas





# CLOSING CEREMONY



Left to right: Raditya Jati (BNPB), Erin Nicholson (USAID), Jiro Tominaga (ADB), Bambang Susantono (Special Presidential Envoy for International Cooperation for Nusantara), Dominic Jermy (UK Ambassador to Indonesia & Timor Leste), Charlotte Coles (UK FCDO), Neeta Pokhrel (ADB), and Tri Dewi Yirgiyanti (Bappenas).

Charlotte Coles, Head of the Indo-Pacific Regional Department, UK FCDO, highlighted these three points:

- **Scaling Up Efforts:** The partnership between, UK FCDO, ADB, and the Indonesian government has laid strong groundwork for urban resilience planning. The next step is to ensure financial commitment and on-the-ground implementation, linking efforts to major investment opportunities.
- **Community-Centered Approaches:** Addressing local needs and giving communities a voice is crucial. Engaging local communities ensures inclusive planning and helps meet the needs of women, children, marginalized groups, and people with disabilities.
- **Strong Partnerships:** Building strong partnerships across government, community, academia, the non-profit sector, and the private sector is crucial for success. The challenge lies in making climate adaptation more appealing to cities and mobilizing private sector investment.



**“We need to come together to work on urban resilience and secure our collective future. We saw an urban resilience pledge by leaders and representatives, and today’s forum has come to a close. I hope we can all pledge, to take away learnings, drive action, and continue our collaboration.”**

**Charlotte Coles**  
Head, Indo-Pacific Regional Department, UK FCDO





Participants explored various sustainable urban development practices of Tebet Eco Park

Jakarta City Hall

Krukut Wastewater Treatment Plant

DKI Jakarta Parks & Urban Forest Department provided an overview of the Tebet Eco Park

Transjakarta Electric Bus

# LEARNING TOUR: Jakarta Resilience Initiatives

After the Forum, a site visit of Jakarta’s resilience-building initiatives was hosted by the Provincial Government. A total of 30 city representatives from Palembang, Mataram, Bandung, Batam, Pekanbaru, and Makassar participated and learned from Jakarta’s experiences.

*“Cities can learn valuable lessons on urban resilience. We’ve heard how different regions address issues like flooding and carbon emissions, which can serve as best practices for us. Solutions like Tebet Eco Park show how to manage water effectively in flood-prone cities. If urban wastewater isn’t addressed properly, it will harm sanitation. This forum has been insightful, and we hope future discussions continue to provide useful information for regional improvement.”*

Harrey Hadi,  
Head of Local Development Planning  
Agency of Palembang

- **Tebet Eco Park exemplifies how green spaces can enhance environmental sustainability and community well-being.** Participants learned about the park’s use of nature-based solutions, including tree conservation and blue-green infrastructure, to mitigate flooding by restoring natural river flows. Developed through a public-private partnership, the park serves as a model for urban sustainability, promoting social cohesion and improving quality of life. Participants gained valuable insights into how such projects can be replicated in other cities.
- The visit at **Krukut Wastewater Treatment Plant** highlighted the facility’s crucial role in purifying wastewater, reducing pollution, and protecting public health. By treating water before it re-enters the river system, the facility mitigates environmental harm, supports ecosystem protection, and aligns with Jakarta’s sustainability and urban resilience goals. Participants gained key insights into how large-scale wastewater treatment infrastructure contributes to healthier urban environments and overall resilience strategies.
- **At Jakarta City Hall**, participants engaged in informal discussions with the Local Development Planning Agency of DKI Jakarta. They gained insights into Jakarta’s resilience-building strategies, including flood control, green infrastructure, and low-carbon urban development, while also exploring opportunities for future collaboration.

The Indonesia Urban Resilience Forum was organized by:



Ministry of National  
Development Planning/Bappenas  
Republic of Indonesia

Knowledge partner



The **Urban Resilience Trust Fund (URTF)** is a \$82.15 million (£68.5m) multi-donor trust fund (2023–2031) administered by ADB under the Urban Financing Partnerships Facility. The program is helping 24 developing member countries in Asia and the Pacific reduce risks from climate change and natural disasters through technical assistance and demonstrative innovative investments in specified thematic areas. URTF interventions support integrated resilience planning, enhanced and effective investments in resilient infrastructure, and greater opportunities to exchange knowledge on mitigating and addressing climate and disaster risks.

More information [HERE](#). Follow URTF via [LinkedIn](#)



### **Kiyoshi Nakamitsu**

URTF Fund Manager  
Principal Urban Development Specialist  
Water and Urban Development Sector Office  
Asian Development Bank



### **Jaya Singh Verma**

Senior Policy & Programme Manager  
Indo-Pacific Regional Department  
UK Foreign, Commonwealth & Development Office



# APPENDIX

## List of Participating Agencies or Organizations (In-Person)

### INTERNATIONAL DEVELOPMENT PARTNERS & FINANCING INSTITUTIONS

- ADB Water & Urban Development Sector Office
- ADB Indonesia Resident Mission
- British Embassy Jakarta
- UK FCDO Indo-Pacific Regional Department
- USAID
- World Bank
- Australian Department of Foreign Affairs & Trade
- Swiss State Secretariat for Economic Affairs Indonesia
- Embassy of Spain
- Embassy of Australia
- United Nations Development Programme Indonesia
- UNDP Climate Finance Network
- Agence Francaise de Developpement
- ASEAN Catalytic Green Finance Facility
- GIZ Urban Act
- PT. Sarana Multi Infrastruktur (SMI)

### NATIONAL GOVERNMENT

- Ministry of National Development Planning
- Nusantara Capital Authority
- National Disaster Risk Management Agency
- Ministry of Public Works & Housing
- Ministry of Investment
- Ministry of Home Affairs
- Ministry of Transportation
- Ministry of Health

### CITIES & REGENCIES

- DKI Jakarta
- Balikpapan
- Bandung
- Batam
- Jambi
- Makassar
- Mataram
- Palembang
- Palu
- Pekanbaru
- Pontianak
- Samarinda
- Surabaya
- Semarang

### LOCAL ORGANISATIONS & ACADEMIA

- Advokasi untuk Disabilitas Inklusi (AUDISI) Indonesia
- Ikatan Ahli Perencanaan (IAP) Indonesia
- Asosiasi Pemerintah Kota Seluruh Indonesia (APEKSI)
- Monash University

